Marta Truffi

List of Publications by Year in descending order

58 papers	1,306 citations	393982 19 h-index	377514 34 g-index
59 all docs	59 docs citations	59 times ranked	2024 citing authors

#	Article	IF	Citations
1	Ferritin nanocages: A biological platform for drug delivery, imaging and theranostics in cancer. Pharmacological Research, 2016, 107, 57-65.	3.1	199
2	Protein nanocages for self-triggered nuclear delivery of DNA-targeted chemotherapeutics in Cancer Cells. Journal of Controlled Release, 2014, 196, 184-196.	4.8	99
3	Nano-Strategies to Target Breast Cancer-Associated Fibroblasts: Rearranging the Tumor Microenvironment to Achieve Antitumor Efficacy. International Journal of Molecular Sciences, 2019, 20, 1263.	1.8	71
4	Multivalent exposure of trastuzumab on iron oxide nanoparticles improves antitumor potential and reduces resistance in HER2-positive breast cancer cells. Scientific Reports, 2018, 8, 6563.	1.6	60
5	Fibroblasts in the Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1234, 15-29.	0.8	59
6	Nanoformulation of antiretroviral drugs enhances their penetration across the blood brain barrier in mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1387-1397.	1.7	56
7	H-Ferritin-nanocaged olaparib: a promising choice for both BRCA-mutated and sporadic triple negative breast cancer. Scientific Reports, 2017, 7, 7505.	1.6	50
8	Nanometronomic treatment of 4T1 breast cancer with nanocaged doxorubicin prevents drug resistance and circumvents cardiotoxicity. Oncotarget, 2017, 8, 8383-8396.	0.8	40
9	Establishment and Morphological Characterization of Patient-Derived Organoids from Breast Cancer. Biological Procedures Online, 2019, 21, 12.	1.4	39
10	Inhibition of Fibroblast Activation Protein Restores a Balanced Extracellular Matrix and Reduces Fibrosis in Crohnâ€™s Disease Strictures Ex Vivo. Inflammatory Bowel Diseases, 2018, 24, 332-345.	0.9	38
11	Indocyanine Green Nanoparticles: Are They Compelling for Cancer Treatment?. Frontiers in Chemistry, 2020, 8, 535.	1.8	37
12	Raman spectroscopy reveals biochemical differences in plasma derived extracellular vesicles from sporadic Amyotrophic Lateral Sclerosis patients. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102249.	1.7	36
13	Progress in nonviral gene therapy for breast cancer and what comes next?. Expert Opinion on Biological Therapy, 2017, 17, 595-611.	1.4	32
14	Oral delivery of insulin via polyethylene imine-based nanoparticles for colonic release allows glycemic control in diabetic rats. Pharmacological Research, 2016, 110, 122-130.	3.1	30
15	MnO Nanoparticles Embedded in Functional Polymers as T₁ Contrast Agents for Magnetic Resonance Imaging. ACS Applied Nano Materials, 2020, 3, 3787-3797.	2.4	29
16	Autologous fat transfer after breast cancer surgery: An exact-matching study on the long-term oncological safety. European Journal of Surgical Oncology, 2019, 45, 1827-1834.	0.5	28
17	Receptor protein tyrosine phosphatase RPTPÎ± controls epithelial adherens junctions, linking E-cadherin engagement to c-Src signaling to cortactin. Journal of Cell Science, 2014, 127, 2420-32.	1.2	27
18	A Novel Indocyanine Green Fluorescenceâ€Guided Videoâ€Assisted Technique for Sentinel Node Biopsy in Breast Cancer. World Journal of Surgery, 2018, 42, 2815-2824.	0.8	26

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19	Theranostic application of miR-429 in HER2+ breast cancer. Theranostics, 2020, 10, 50-61.	4.6	24
20	Selective Targeting of Cancer-Associated Fibroblasts by Engineered H-Ferritin Nanocages Loaded with Navitoclax. Cells, 2021, 10, 328.	1.8	22
21	Localization of nonpalpable breast lesions with sonographically visible clip: optimizing tailored resection and clear margins. American Journal of Surgery, 2015, 209, 950-958.	0.9	19
22	Cavity Shaving Reduces Involved Margins and Reinterventions Without Increasing Costs in Breast-Conserving Surgery: A Propensity Score-Matched Study. Annals of Surgical Oncology, 2017, 24, 1516-1524.	0.7	19
23	H-Ferritin nanoparticle-mediated delivery of antibodies across a BBB in vitro model for treatment of brain malignancies. Biomaterials Science, 2021, 9, 2032-2042.	2.6	19
24	Everolimus Nanoformulation in Biological Nanoparticles Increases Drug Responsiveness in Resistant and Low-Responsive Breast Cancer Cell Lines. Pharmaceutics, 2019, 11, 384.	2.0	18
25	Raman spectroscopy characterization of the major classes of plasma lipoproteins. Vibrational Spectroscopy, 2020, 109, 103073.	1.2	17
26	Raman Analysis Reveals Biochemical Differences in Plasma of Crohnâ€™s Disease Patients. Journal of Crohn's and Colitis, 2020, 14, 1572-1580.	0.6	16
27	Half-Chain Cetuximab Nanoconjugates Allow Multitarget Therapy of Triple Negative Breast Cancer. Bioconjugate Chemistry, 2018, 29, 3817-3832.	1.8	14
28	Management of breast cancer in an EUSOMAâ€accredited Breast Unit in Lombardy, Italy, during the COVIDâ€19 pandemic. Breast Journal, 2020, 26, 1609-1610.	0.4	14
29	Protein-Based Nanoparticles for the Imaging and Treatment of Solid Tumors: The Case of Ferritin Nanocages, a Narrative Review. Pharmaceutics, 2021, 13, 2000.	2.0	14
30	Full-Length Recombinant hSP-D Binds and Inhibits SARS-CoV-2. Biomolecules, 2021, 11, 1114.	1.8	13
31	In Vitro Permeation of FITC-loaded Ferritins Across a Rat Blood-brain Barrier: a Model to Study the Delivery of Nanoformulated Molecules. Journal of Visualized Experiments, 2016, , .	0.2	12
32	Co-administration of H-ferritin-doxorubicin and Trastuzumab in neoadjuvant setting improves efficacy and prevents cardiotoxicity in HER2â€‰+â€‰murine breast cancer model. Scientific Reports, 2020, 10, 11425.	1.6	12
33	Nano-targeting of mucosal addressin cell adhesion molecule-1 identifies bowel inflammation foci in murine model. Nanomedicine, 2017, 12, 1547-1560.	1.7	11
34	Lipofilling in Breast Oncological Surgery: A Safe Opportunity or Risk for Cancer Recurrence?. International Journal of Molecular Sciences, 2021, 22, 3737.	1.8	11
35	One-step intraoperative radiotherapy optimizes conservative treatment of breast cancer with advantages in quality of life and work resumption. Breast, 2018, 39, 123-130.	0.9	10
36	Anti-MAdCAM-1-Conjugated Nanocarriers Delivering Quantum Dots Enable Specific Imaging of Inflammatory Bowel Disease . International Journal of Nanomedicine, 2020, Volume 15, 8537-8552.	3.3	10

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37	Sentinel node biopsy in ductal carcinoma in situ of the breast: Never justified?. Breast Journal, 2018, 24, 325-333.	0.4	9
38	Combined Method to Remove Endotoxins from Protein Nanocages for Drug Delivery Applications: The Case of Human Ferritin. Pharmaceutics, 2021, 13, 229.	2.0	9
39	Preoperative Systemic Inflammatory Biomarkers Are Independent Predictors of Disease Recurrence in ER+ HER2- Early Breast Cancer. Frontiers in Oncology, 2021, 11, 773078.	1.3	9
40	Tumor Accumulation and Off-Target Biodistribution of an Indocyanine-Green Fluorescent Nanotracer: An Ex Vivo Study on an Orthotopic Murine Model of Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 1601.	1.8	8
41	Stable and scalable SERS tags conjugated with neutravidin for the detection of fibroblast activation protein (FAP) in primary fibroblasts. Nanotechnology, 2021, 32, 295703.	1.3	8
42	Fast quantification of extracellular vesicles levels in early breast cancer patients by Single Molecule Detection Array (SiMoA). Breast Cancer Research and Treatment, 2022, 192, 65-74.	1.1	8
43	Increase in chromogranin A- and serotonin-positive cells in pouch mucosa of patients with ulcerative colitis undergoing proctocolectomy. Digestive and Liver Disease, 2018, 50, 1205-1213.	0.4	7
44	Radioâ€guided and clipâ€guided preoperative localization for malignant microcalcifications offer similar performances in breastâ€conserving surgery. Breast Journal, 2019, 25, 865-873.	0.4	5
45	Raman analysis of microcalcifications in male breast cancer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120185.	2.0	5
46	Circulating Fibroblast Activation Protein as Potential Biomarker in Patients With Inflammatory Bowel Disease. Frontiers in Medicine, 2021, 8, 725726.	1.2	3
47	Prediction of nodal staging in breast cancer patients with 1-2 sentinel nodes in the Z0011 era. Medicine (United States), 2020, 99, e21721.	0.4	2
48	Antiretroviral Therapy through Barriers: A Prominent Role for Nanotechnology in HIV-1 Eradication from Sanctuaries. Journal of Pharmacy and Pharmacology, 2016, 4, .	0.1	2
49	50P Cardiosafe nano-formulation of doxorubicin allows coadministration with trastuzumab in neoadjuvant setting improving antitumor efficacy and preventing trastuzumab-mediated cardiotoxicity in HER2Â+ murine model of breast cancer. Annals of Oncology, 2020, 31, S33.	0.6	0
50	Isolation of Primary Cancer-Associated Fibroblasts from a Syngeneic Murine Model of Breast Cancer for the Study of Targeted Nanoparticles. Journal of Visualized Experiments, 2021, , .	0.2	0
51	P132 Uncovering blood biomarkers of Inflammatory Bowel Diseases by Raman spectroscopy and FAP dosage: toward a noninvasive triage of patients in first care diagnostic. Journal of Crohn's and Colitis, 2021, 15, S221-S222.	0.6	0
52	Abstract P6-12-17: H-ferritin allows nanometronomic treatment of breast cancer with doxorubicin preventing drug resistance and circumventing cardiotoxicity. , 2017, , .		0
53	Metronomic Nanocaged Doxorubicin Prevents Chemoresistance and Cardiotoxicity in Breast Cancer. , 0, , .		0
54	Olaparib Nanoformulation in H-Ferritin for the Triple Negative Breast Cancer Treatment. , 0, , .		0

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55	MAdCAM-1 Nanotargeting Uncovers Bowel Inflammation Foci in Experimental Model of Colitis. , 0, , .		0
56	Cetuximab-Conjugates Nanoparticles for the Treatment of Triple Negative Breast Cancer. , 0, , .		0
57	Half-Chain Trastuzumab Nanoconjugates Enhance Antitumor Activity in HER2+ breast cancer. , 0, , .		0
58	Abstract P3-07-04: A dedicated nomogram to predict nodal pathological complete response in node-positive breast cancer patients undergoing neoadjuvant chemotherapy. , 2020, , .		0